0070 9762560

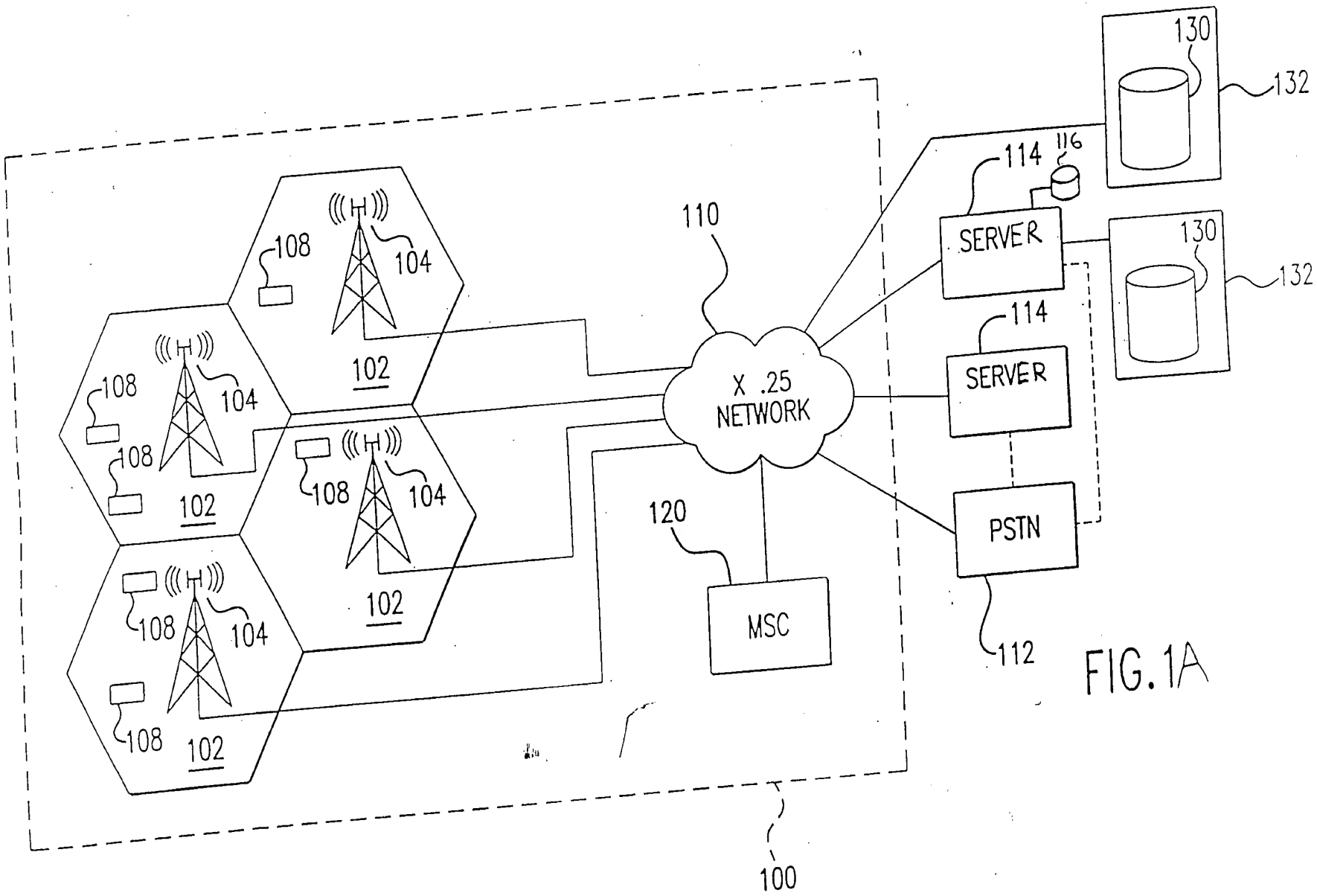

FIG. 1A

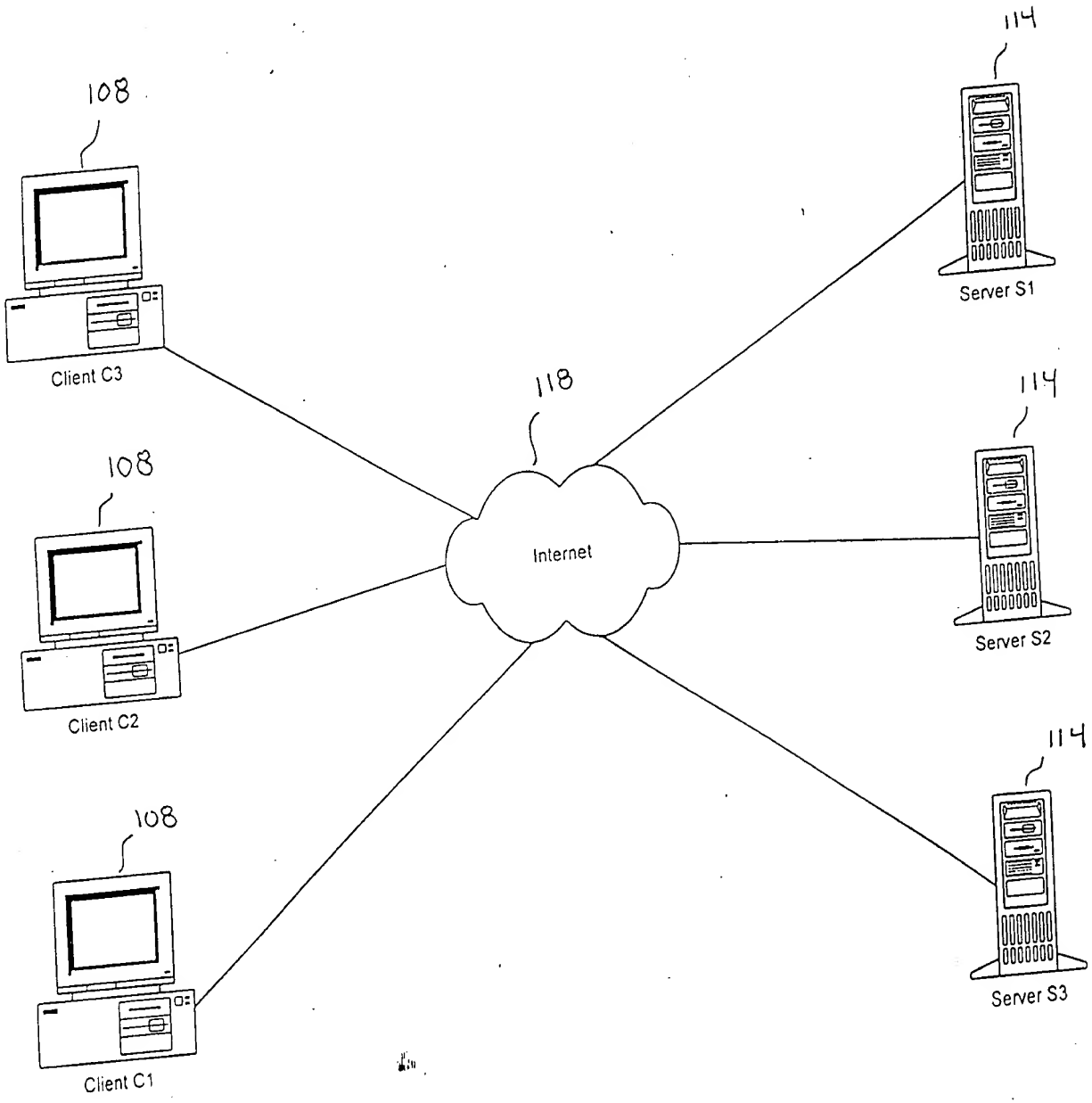
114
108
Server S1
Client C3
118
114
108
Internet
Server S2
Client C2
114
108
Server S3
Client C1

FIG. 1B

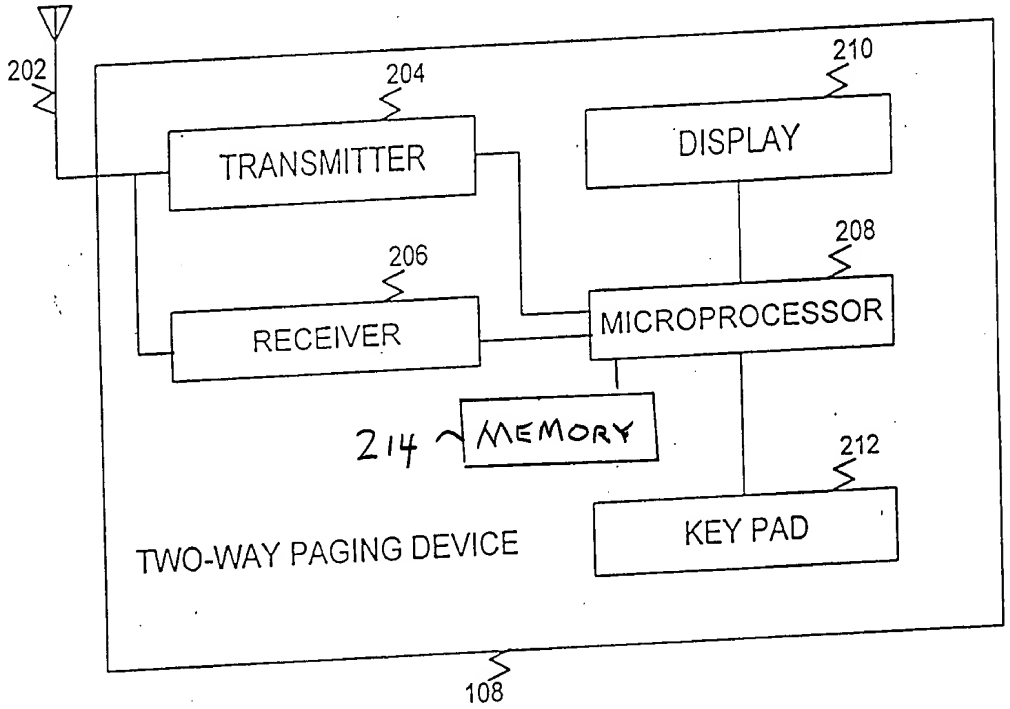
202
204
TRANSMITTER
210
DISPLAY
208
206
RECEIVER
MICROPROCESSOR
214
MEMORY
212
KEY PAD
TWO-WAY PAGING DEVICE
108

FIG. 2A

09654-0004US

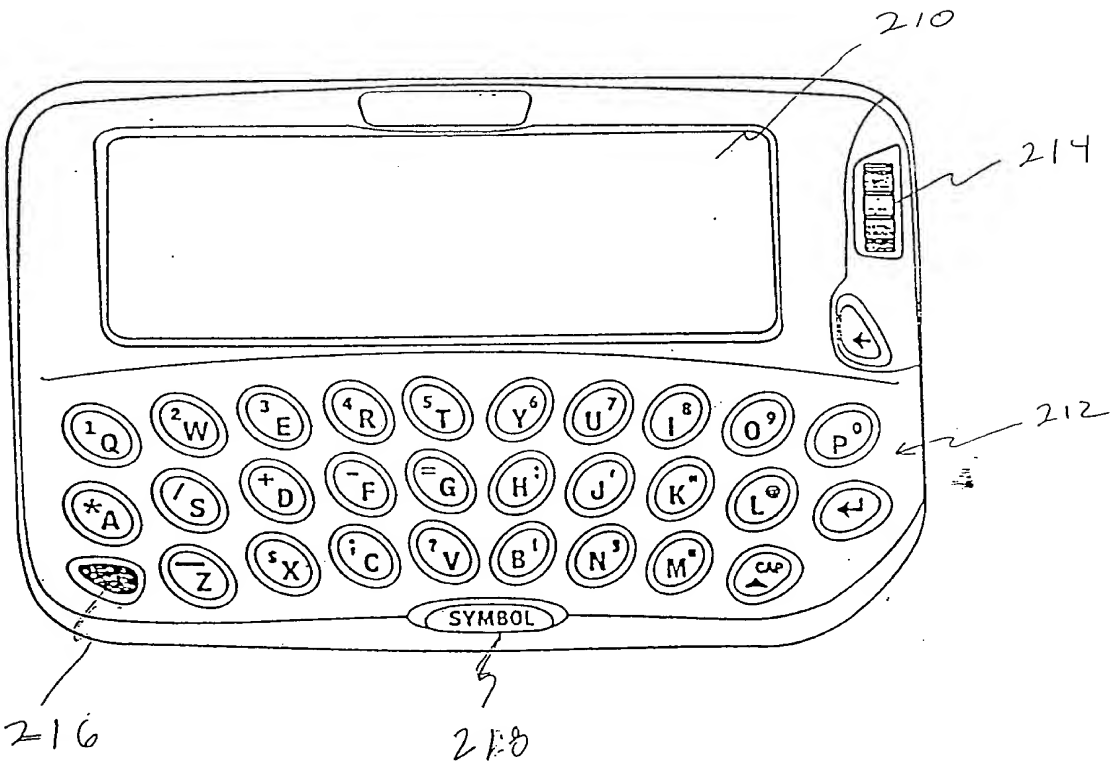

FIG 2B

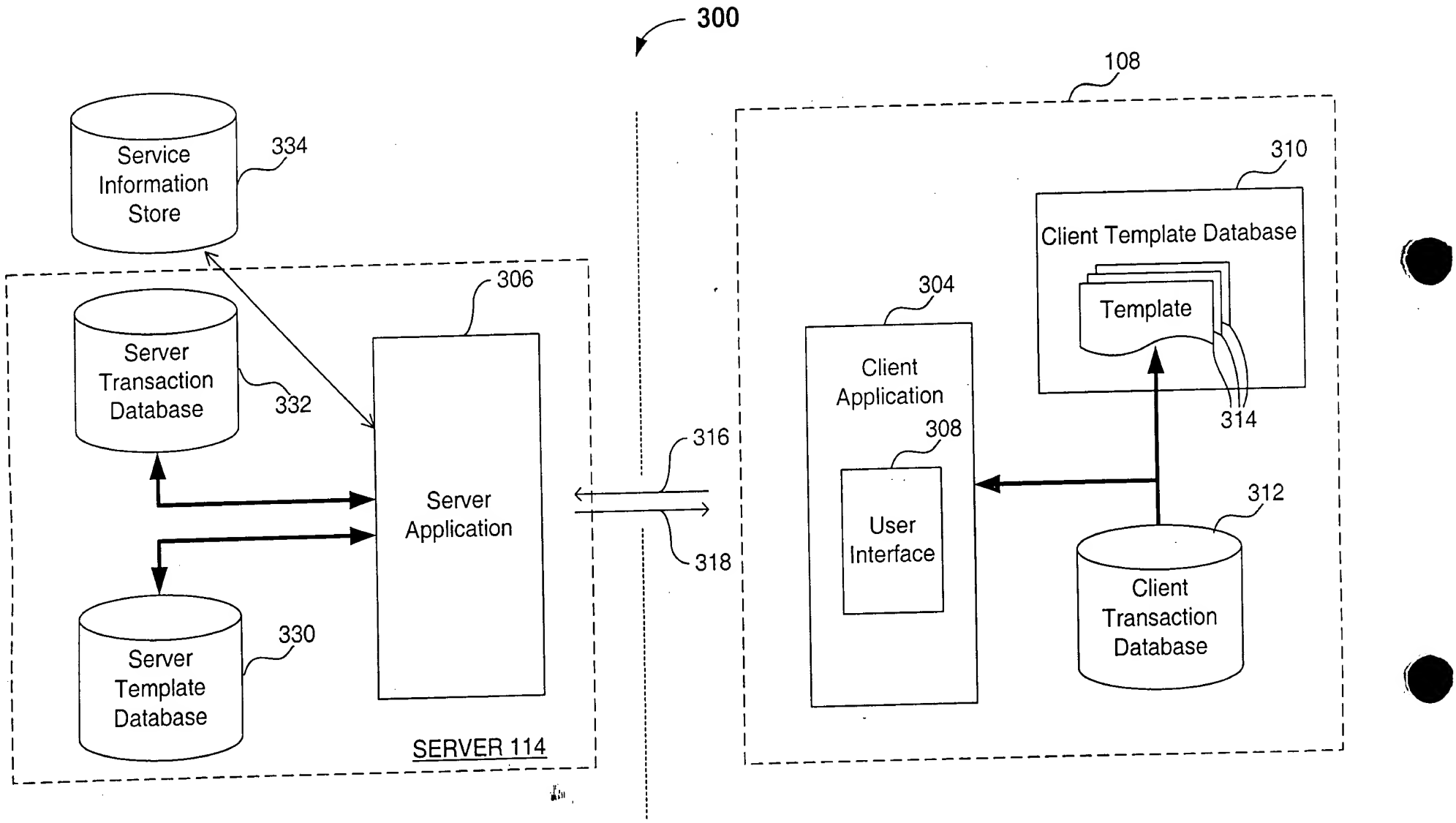
300
108
Service Information Store
334
Server Transaction Database
332
306
Server Application
316
318
Server Template Database
330
SERVER 114
310
Client Template Database
Template
314
304
Client Application
308
User Interface
312
Client Transaction Database

FIG.3

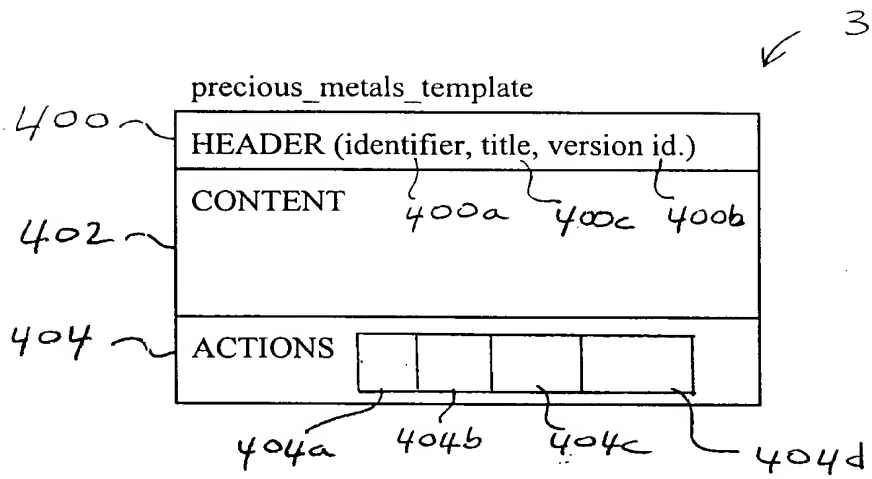
314
precious_metals_template
400
HEADER (identifier, title, version id.)
CONTENT
400a
400c
400b
402
404
ACTIONS
404a
404b
404c
404d

FIG. 4A

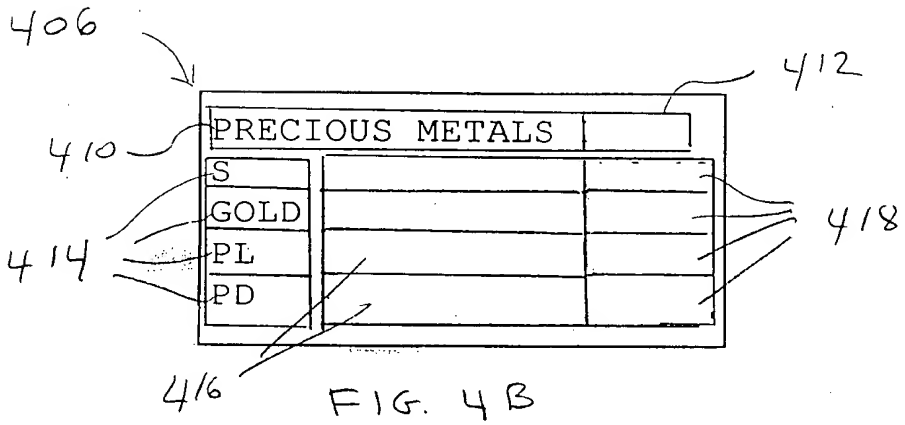
406
412
410
PRECIOUS METALS
S
GOLD
PL
PD
414
418
416

FIG. 4B

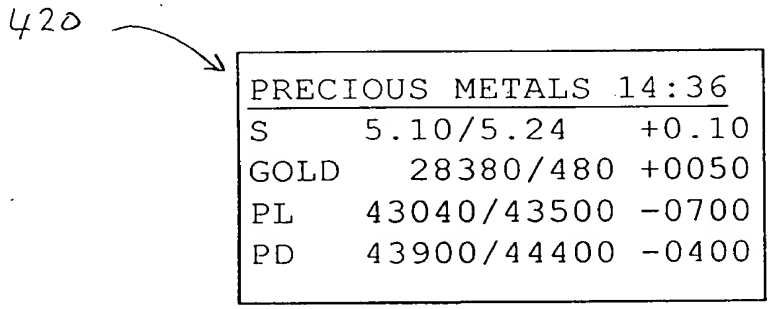
420
PRECIOUS METALS 14:36
S 5.10/5.24 +0.10
GOLD 28380/480 +0050
PL 43040/43500 -0700
PD 43900/44400 -0400

FIG. 4C

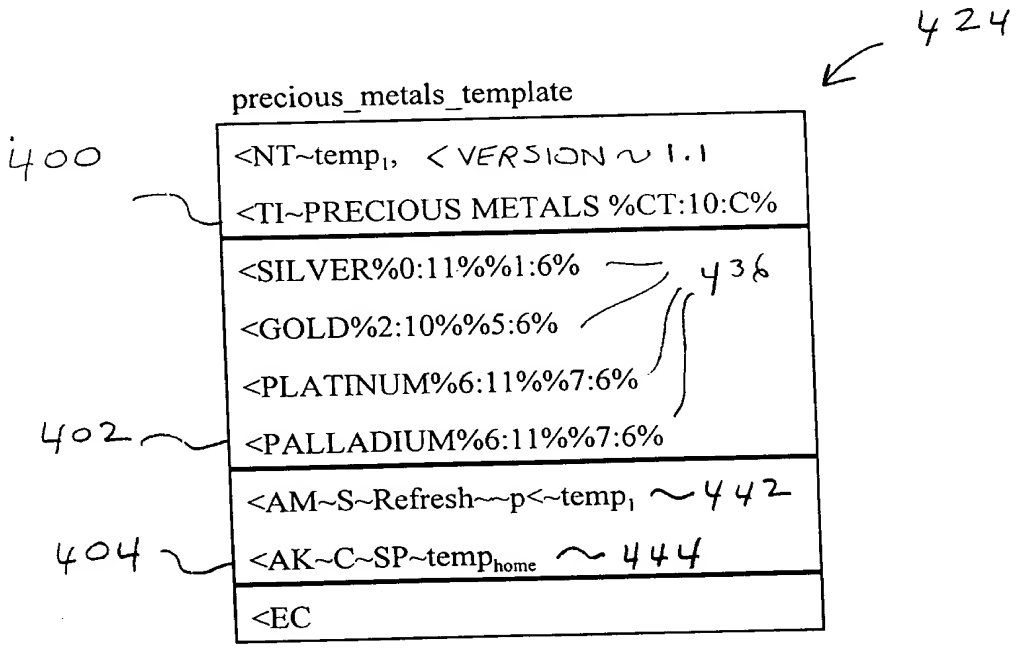
424
precious_metals_template
400
<NT~temp1, <VERSION~1.1
<TI~PRECIOUS METALS %CT:10:C%
<SILVER%0:11%%1:6%
<GOLD%2:10%%5:6%
<PLATINUM%6:11%%7:6%
436
402
<PALLADIUM%6:11%%7:6%
<AM~S~Refresh~~p<~temp1 ~442
404
<AK~C~SP~temphome ~444
<EC

FIG 4D

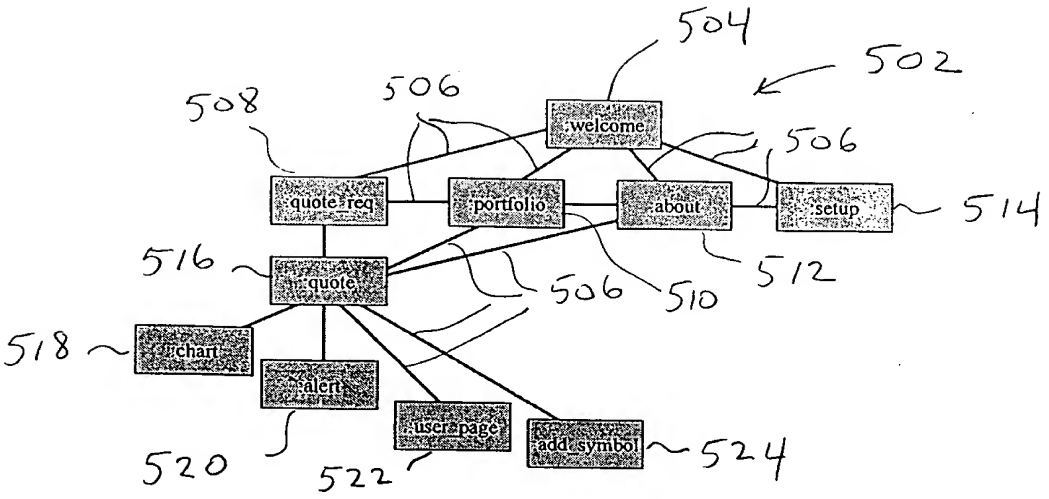

FIG. 5

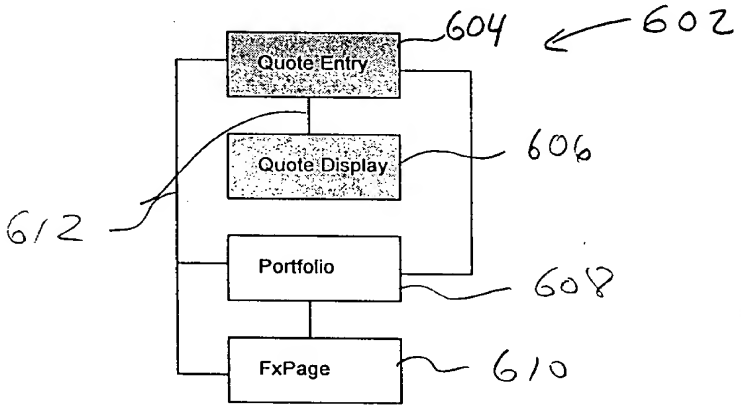

FIG. 6A

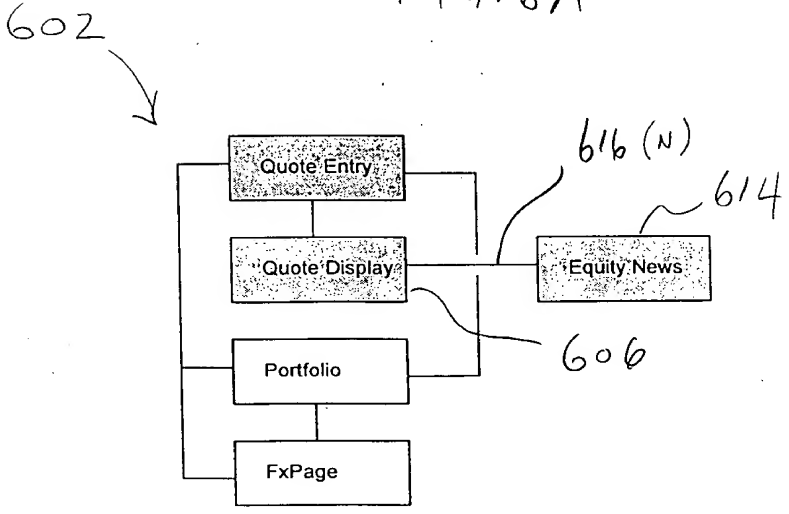

FIG. 6B

SERVER TRANSACTION DATABASE TABLE 700

702 CLIENT	703 TEMPLATE IDENTIFIER	704 TEMPLATE TITLE	706 TEMPLATE VERSION	708 INDEX	710 DATE	712 TIME	714 PARAMETERS
MAN_1	$temp_3$	QUOTE	1.7	AAPL	11.19.1999	10.33.21	$DATA_1$
MAN_1	$temp_3$	QUOTE	1.7	IBM	11.19.1999	10.37.36	$DATA_2$
MAN_1	$temp_8$	SPORTS	1.3	YANKEES	11.20.1999	14.22.17	$DATA_3$
MAN_1	$temp_{12}$	MOVIES	1.4	20009	11.23.1999	17.10.03	$DATA_4$
MAN_1	$temp_6$	+FX	2.2	CAN	12.04.1999	08.35.44	$DATA_5$
MAN_1	$temp_6$	+FX	2.2	YEN	01.03.2000	09.42.53	$DATA_6$
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.
MAN_2	.	.	.	.	.	.	.
MAN_2	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.
MAN_N	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.
	.						

FIG. 7A

754 756 758 750

TEMPLATE I.D.	VERSION	DEFINITIONS
$temp_{home}$	1.1	(header, content, actions)
$temp_1$	1.7	(header, content, actions)
$temp_2$	1.6	(header, content, actions)

760

FIG. 7B

Docket # 60035.0026US01

CLIENT TRANSACTION DATABASE TABLE 800

803 TEMPLATE IDENTIFIER	804 TEMPLATE TITLE	806 TEMPLATE VERSION	808 INDEX	810 DATE	812 TIME	814 PARAMETERS
$temp_3$	QUOTE	1.7	AAPL	11.19.1999	10.33.21	$DATA_1$
$temp_3$	QUOTE	1.7	IBM	11.19.1999	10.37.36	$DATA_2$
$temp_8$	SPORTS	1.3	YANKEES	11.20.1999	14.22.17	$DATA_3$
$temp_{12}$	MOVIES	1.4	20009	11.23.1999	17.10.03	$DATA_4$
$temp_6$	+FX	2.2	CAN	12.04.1999	08.35.44	$DATA_5$
$temp_6$	+FX	2.2	YEN	01.03.2000	09.42.53	$DATA_6$
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

FIG. 8

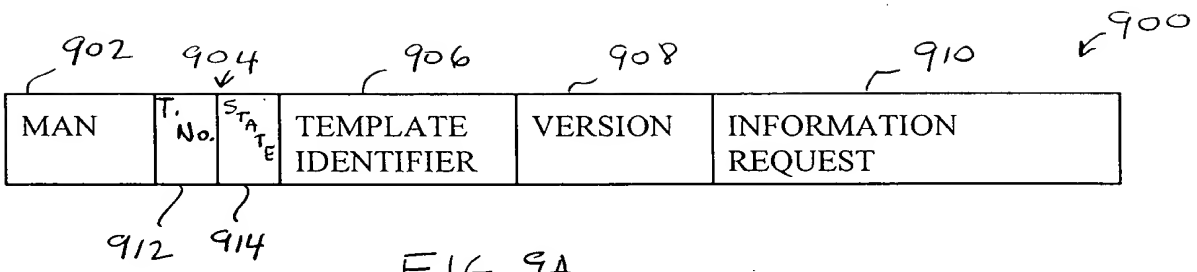

FIG. 9A

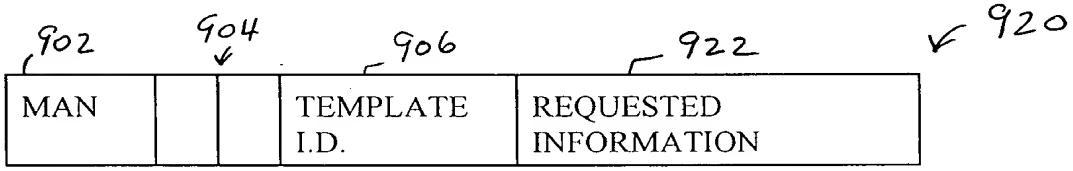

FIG. 9B

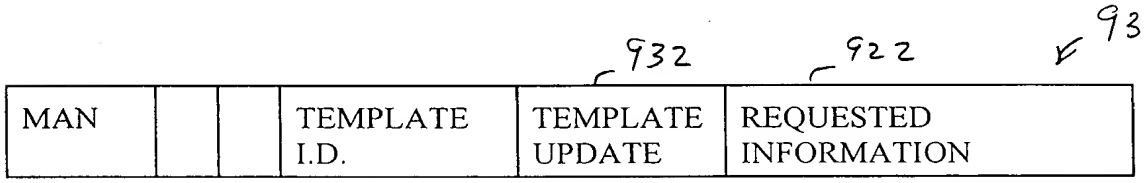

FIG. 9C

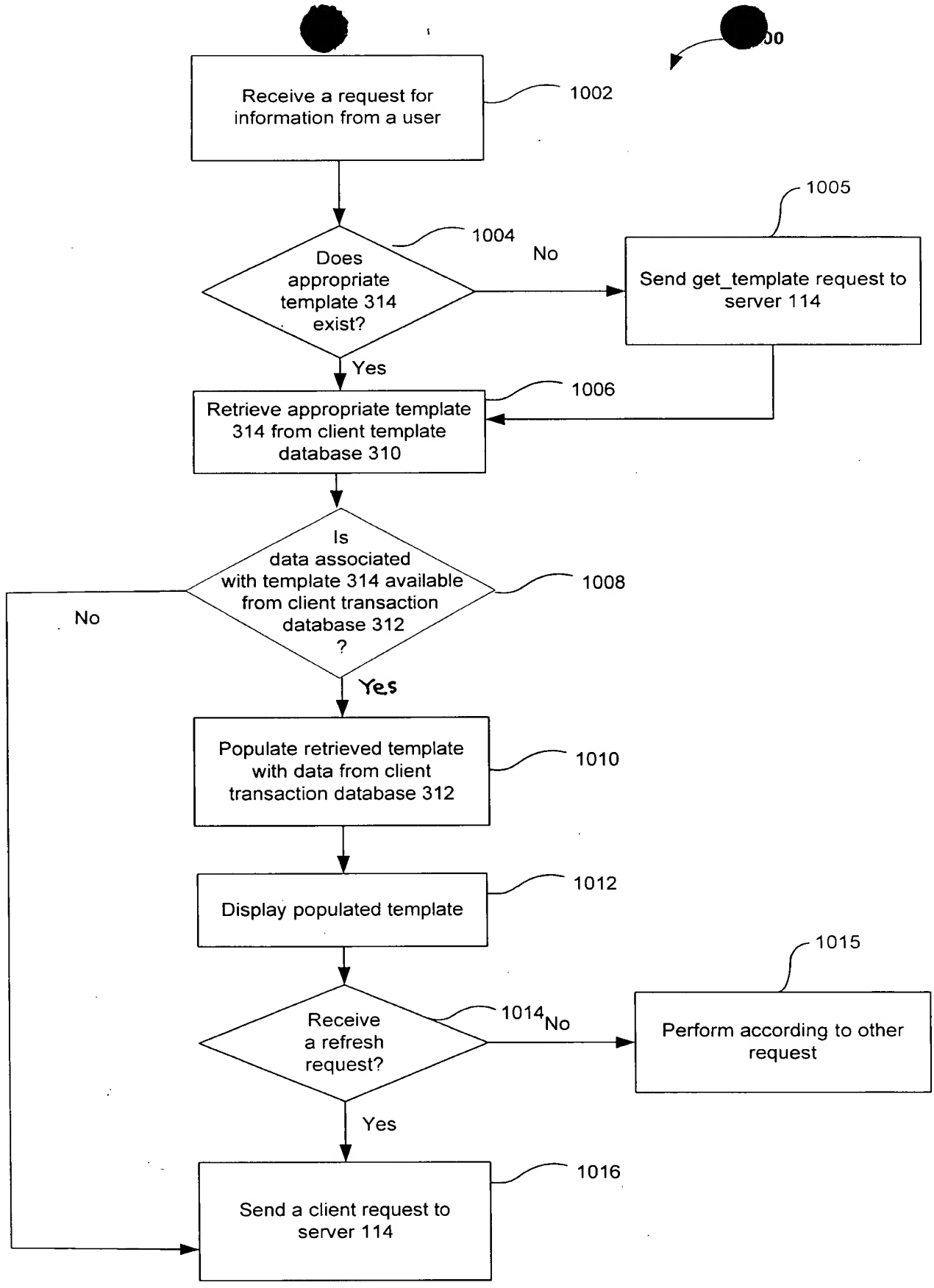
Receive a request for information from a user
1002
Does appropriate template 314 exist?
1004
No
1005
Send get_template request to server 114
Yes
Retrieve appropriate template 314 from client template database 310
1006
Is data associated with template 314 available from client transaction database 312 ?
1008
No
Yes
Populate retrieved template with data from client transaction database 312
1010
Display populated template
1012
Receive a refresh request?
1014
No
1015
Perform according to other request
Yes
Send a client request to server 114
1016

FIG. 10

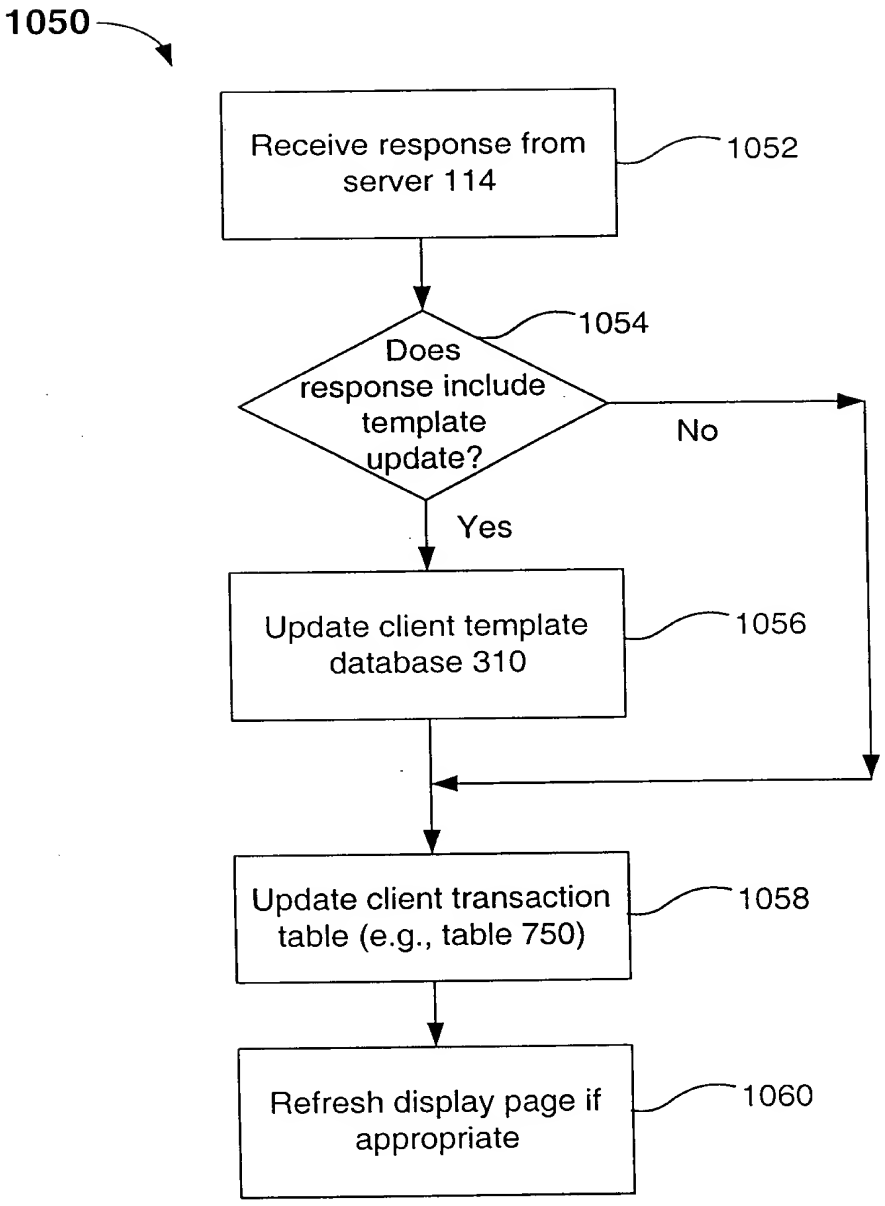

FIG. 10A

Docket No. 0001-35

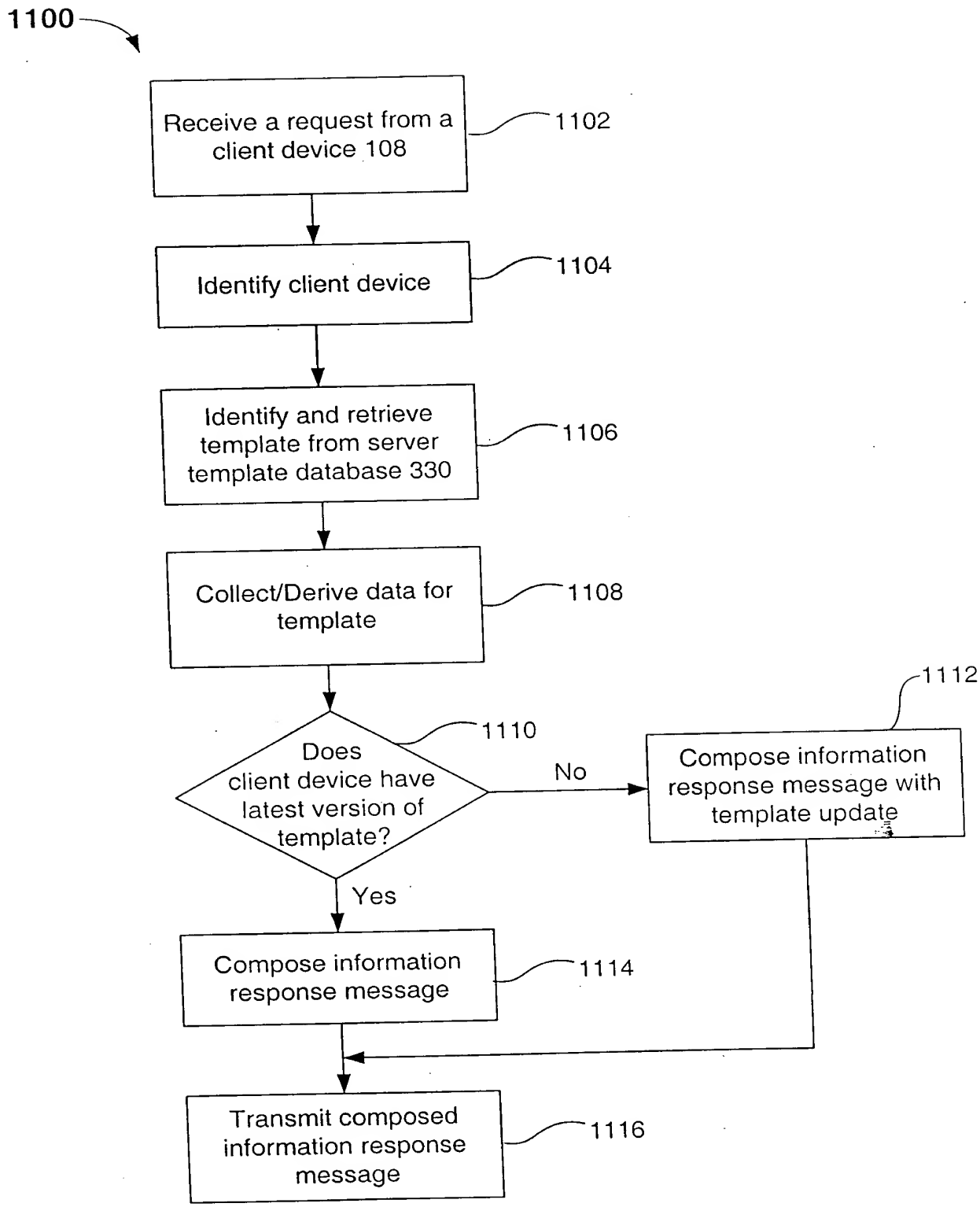
1100
Receive a request from a client device 108
1102
Identify client device
1104
Identify and retrieve template from server template database 330
1106
Collect/Derive data for template
1108
Does client device have latest version of template?
1110
No
Yes
Compose information response message with template update
1112
Compose information response message
1114
Transmit composed information response message
1116

FIG. 11

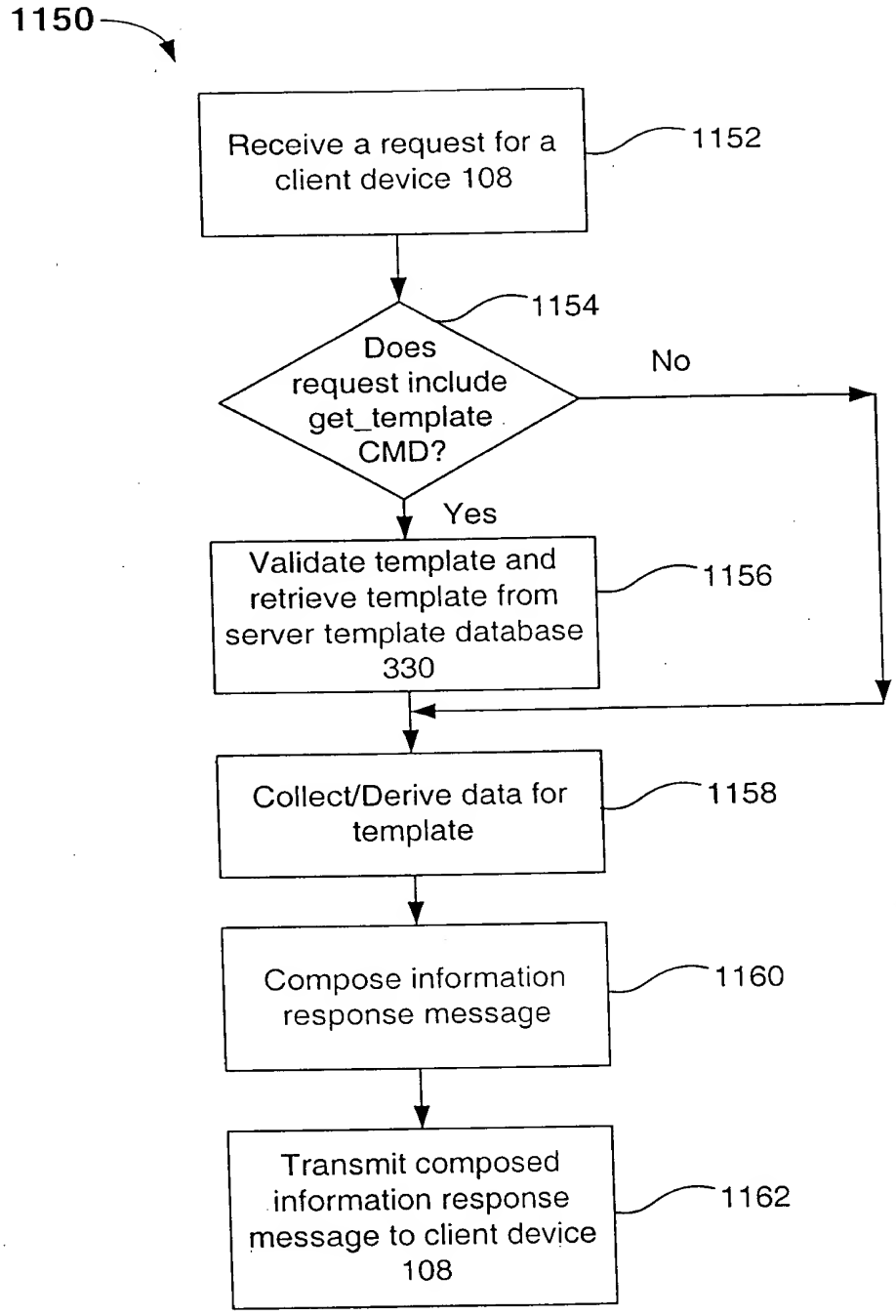
1150
Receive a request for a client device 108
1152
1154
Does request include get_template CMD?
No
Yes
Validate template and retrieve template from server template database 330
1156
Collect/Derive data for template
1158
Compose information response message
1160
Transmit composed information response message to client device 108
1162

FIG. 11A

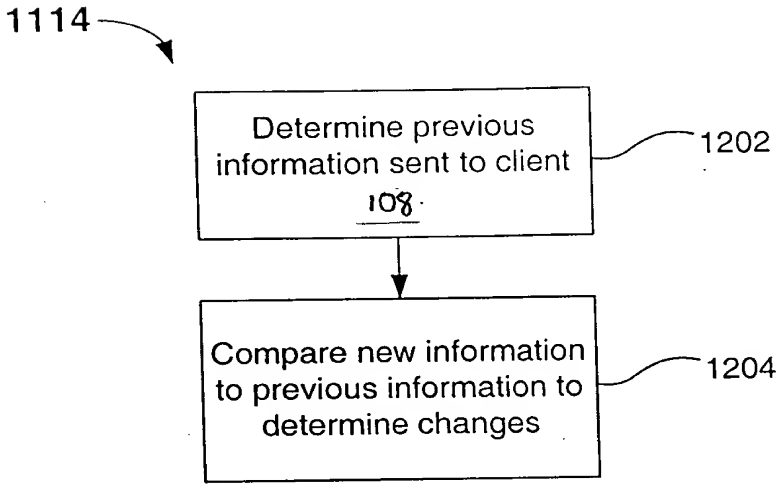

FIG. 12

0001-35.vsd/6

Best Available Copy

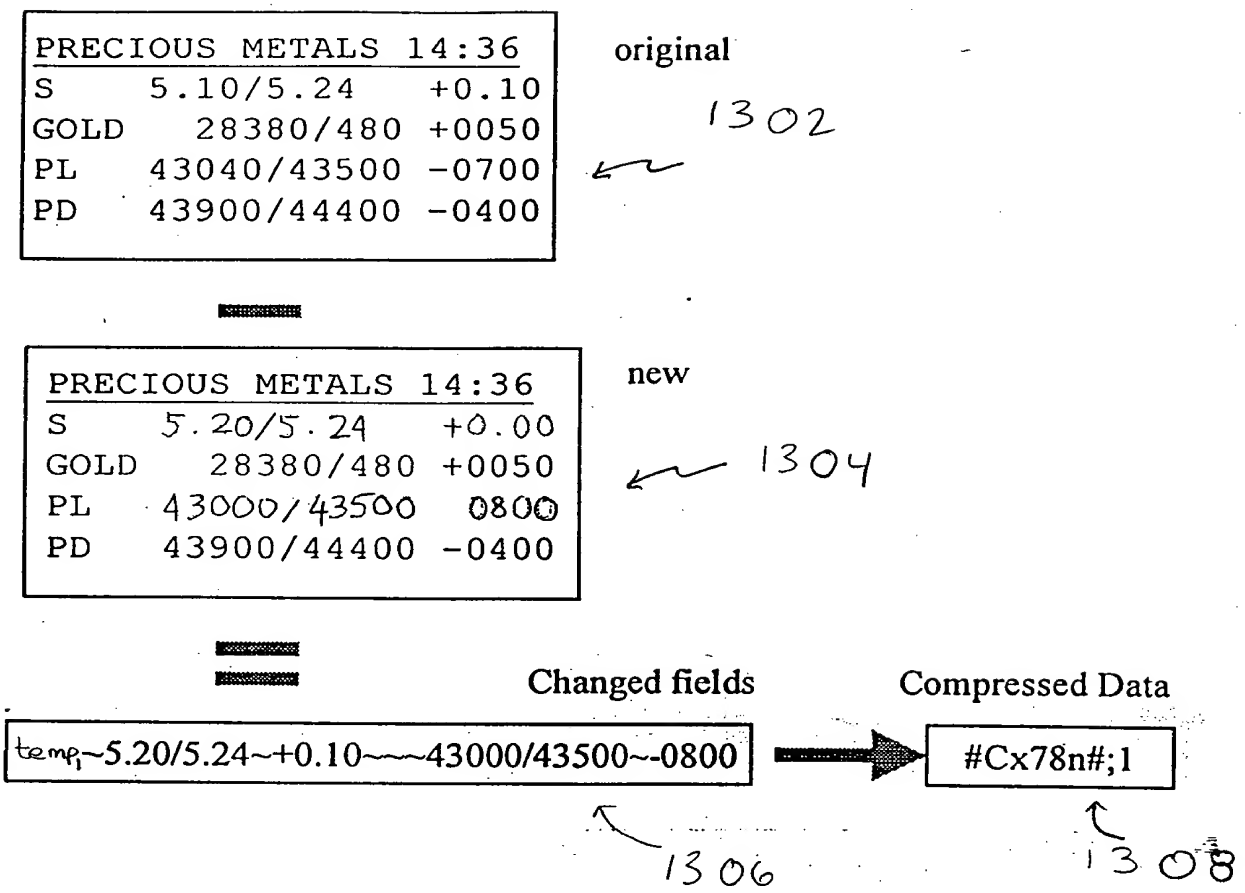

FIG. 13

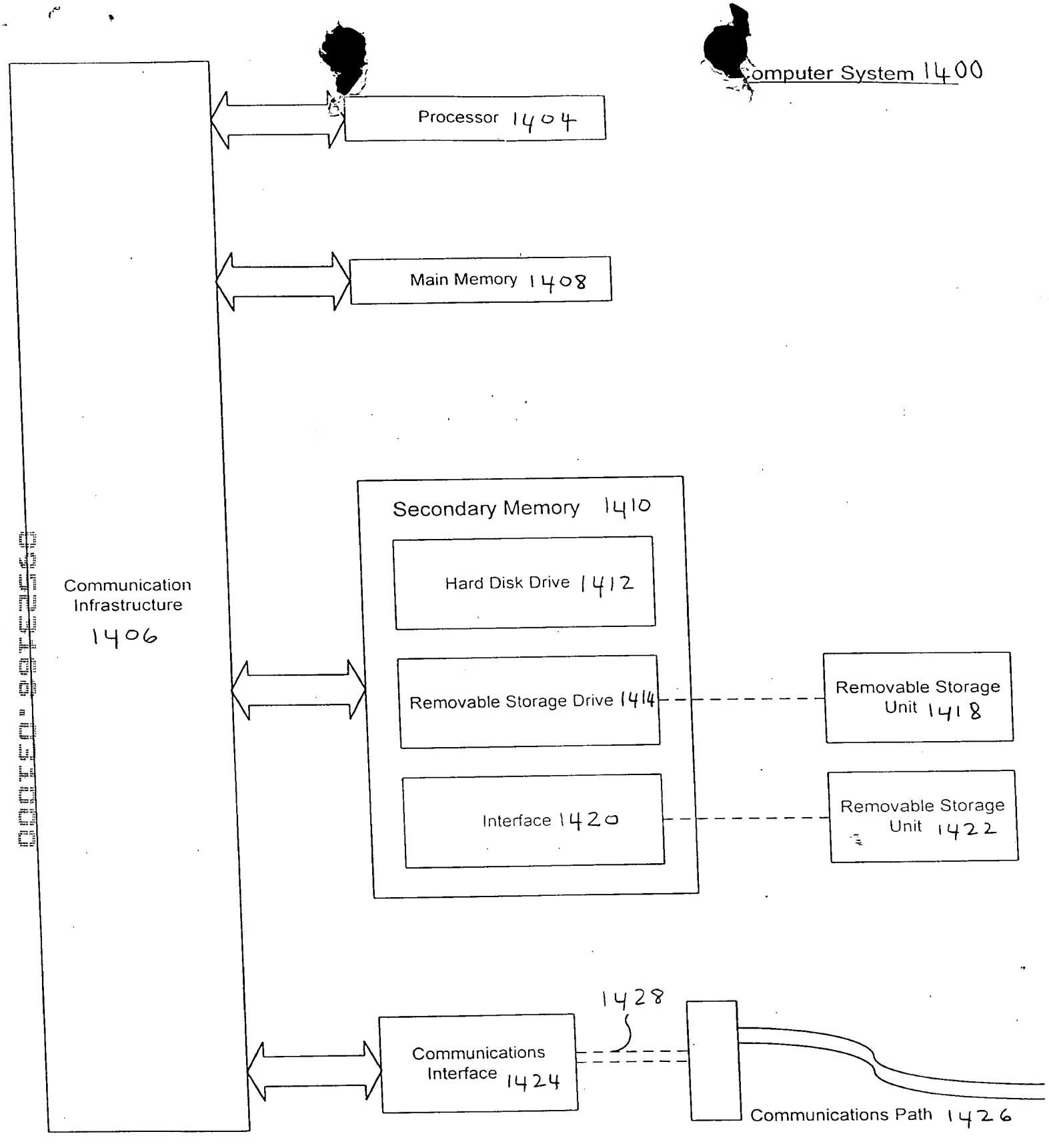
Computer System 1400
Processor 1404
Main Memory 1408
Communication Infrastructure 1406
Secondary Memory 1410
Hard Disk Drive 1412
Removable Storage Drive 1414
Removable Storage Unit 1418
Interface 1420
Removable Storage Unit 1422
1428
Communications Interface 1424
Communications Path 1426

FIG. 14